Amendments to the Specification

Please replace the paragraph at page 59, lines 7 through 35 with the following amended paragraph:

[Example 3] ~~Transfectiion~~ Transfection of colon cancer cell line 'LSC' with pDEST12.2-C2

The colon cancer cell line LSC comprises GalNAc (Tn antigen: GalNAc-Ser/Thr) on a cell surface protein, but does not comprise core 1 synthesis activity (β1,3Gal-T activity on GalNAc). The expression of C1Gal-T2 was forced in this cell line by pDEST12.2-C2 transfection. Core 1 synthesis activity was detected by using the cell lysate as an enzyme source. The colon cancer cell line LSC was cultured in 10% fetal calf serum-RPMI-1640 medium (Invitrogen) (comprising streptomycin (100 μg/ml) / penicillin (100 units/ml) / L-glutamine (0.292 mg/ml)) at 37°C in the presence of 5% CO_2. The day before transfection the cells were plated (1.2x 10^6 cells/2 ml) onto a 6-well dish. At this time, the medium was changed to that without streptomycin and penicillin. Transfection was carried out the day after plating. Ten μl of Lipofectamine 2000 (Invitrogen) was added to 250 μl of Opti-MEM (Invitrogen) and incubated at room temperature for five minutes. 250 μl of Opti-MEM comprising 10 μg of pDEST12.2-C2 was then mixed with the mixture and incubated at room temperature for 20 minutes. A total of 500 μl was dropped into the cells plated the previous day. Two days after transfection, the cells were separated from the container with trypsin (0.25%)-EDTA (1 mM) (Invitrogen). The cells were divided into two aliquots. One aliquot was again plated on to a new dish, while the other aliquot was washed twice with phosphate buffer and then stored at -80°C for measurement of activity during transient expression. The next day Geneticin (Invitrogen) was added to the re-plated cells to a final concentration of 0.6 mg/ml. This stably introduced cell line was named LSC-C1Gal-T2.